

# Meeting Logistics

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# Climate Initiatives Task Force

LEGAL ADVISORY GROUP MEETING 1

LINDSAY COOPER



GOVERNOR'S  
OFFICE OF  
COASTAL  
ACTIVITIES

# Agenda

- I. Call to Order
- II. Roll Call
- III. Welcome and Opening Remarks — *Robert Verchick, Loyola University School of Law*
- IV. Member Introductions — *Advisory Group Members*
- V. Climate Task Force Structure, Process, and Timeline Overview — *Lindsay Cooper, Office of the Governor*
- VI. Discussion of Advisory Group Charge — *Advisory Group Members*
- VII. Structured Decision-Making Process — *Lindsay Cooper, Office of the Governor*
- VIII. Identifying Advisory Group Objectives — *Advisory Group Members*
- IX. Discussion of Next Steps — *Lindsay Cooper, Office of the Governor*
- X. Public Comment
- XI. Adjourn

# Advisory Group Introductions

## Name, Occupation, Expertise

# Presentation Outline

- I. Executive Order and Definition of the Problem
- II. Climate Initiatives Task Force Structure and Deliverables
- III. Advisory Group Charge and Scope (*Discussion*)
- IV. Planning Process Introduction
- V. Fundamental Objectives (*Discussion*)
- VI. Next Steps

# Problem



# Governor's Executive Order (Vision)

**“Whereas,**

By following the science and welcoming all stakeholders, Louisiana can and will reduce greenhouse gas emissions to limit the impacts of climate change that harm the state’s natural and cultural heritage, while adapting to maintain its position as a world leader in energy, industry, agriculture, and transportation;”



# Goals

By 2025  
26-  
28%

By 2030  
40-  
50%

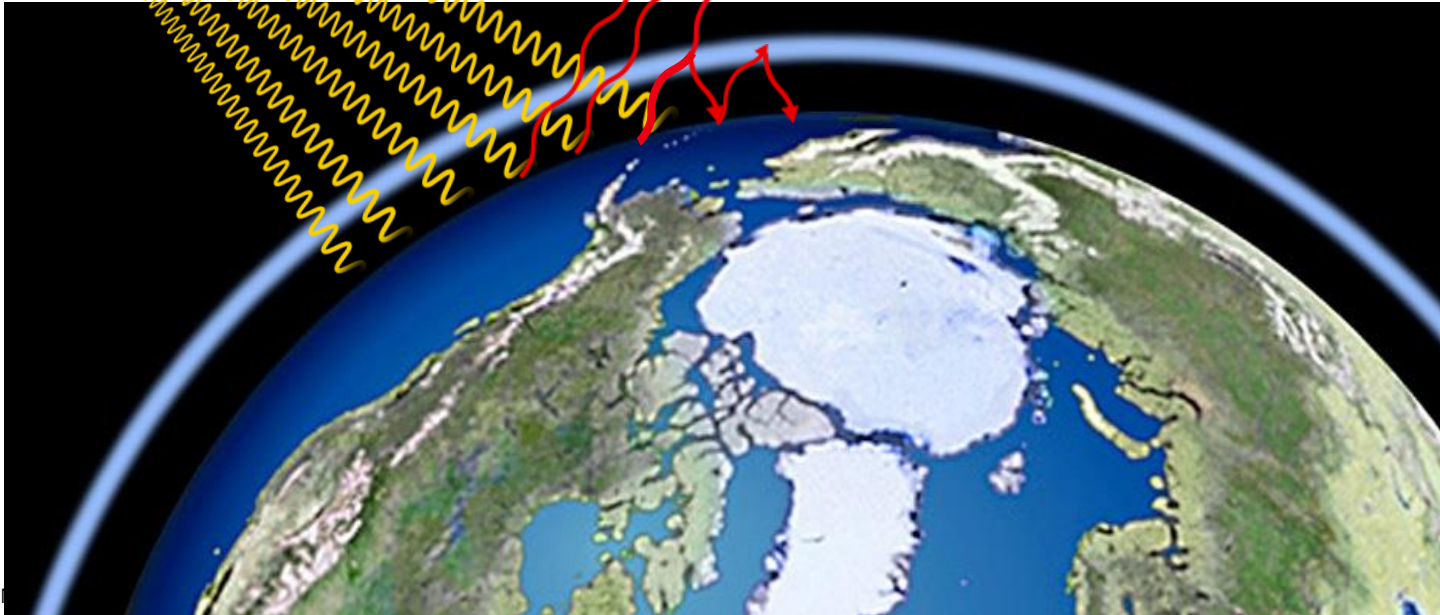
By 2050  
Net  
Zero



# Impacts and Global Temperature

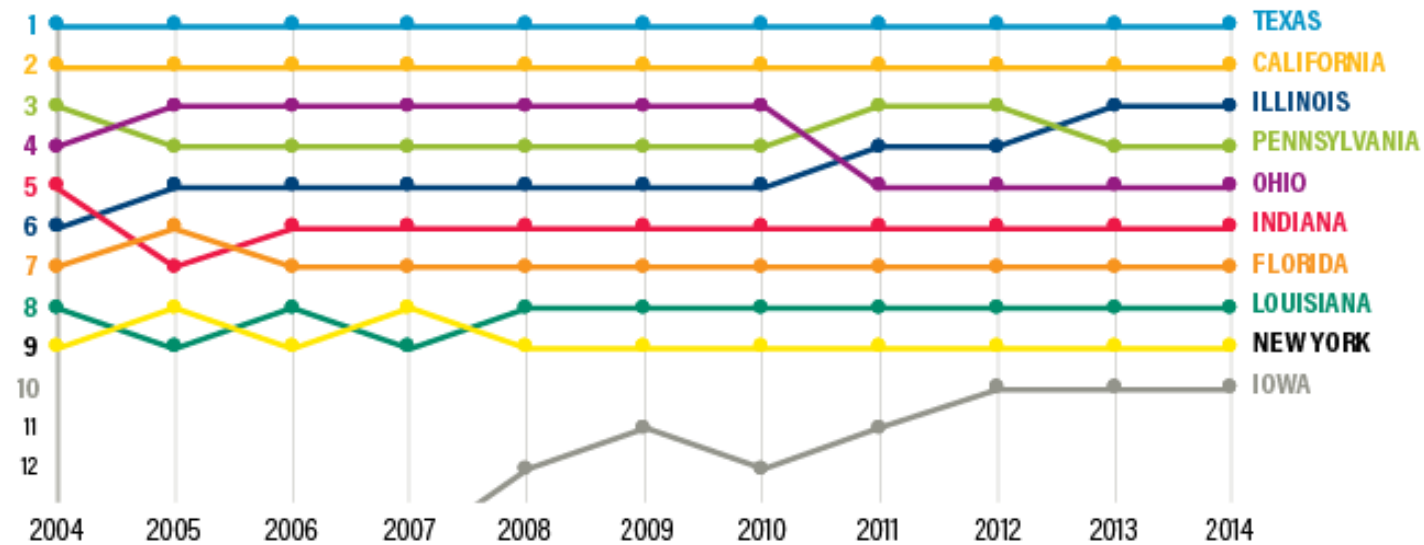
1. *Climate-related risks to health, livelihoods, food security, water supply, human security, and economic growth are projected to increase with global warming of 1.5 degrees and increase further with 2 degrees.*

2. *Adaptation needs will be lower for global warming of 1.5 degrees C compared to 2 degrees...*



# Louisiana is 8<sup>th</sup> in total U.S. State GHG Emissions

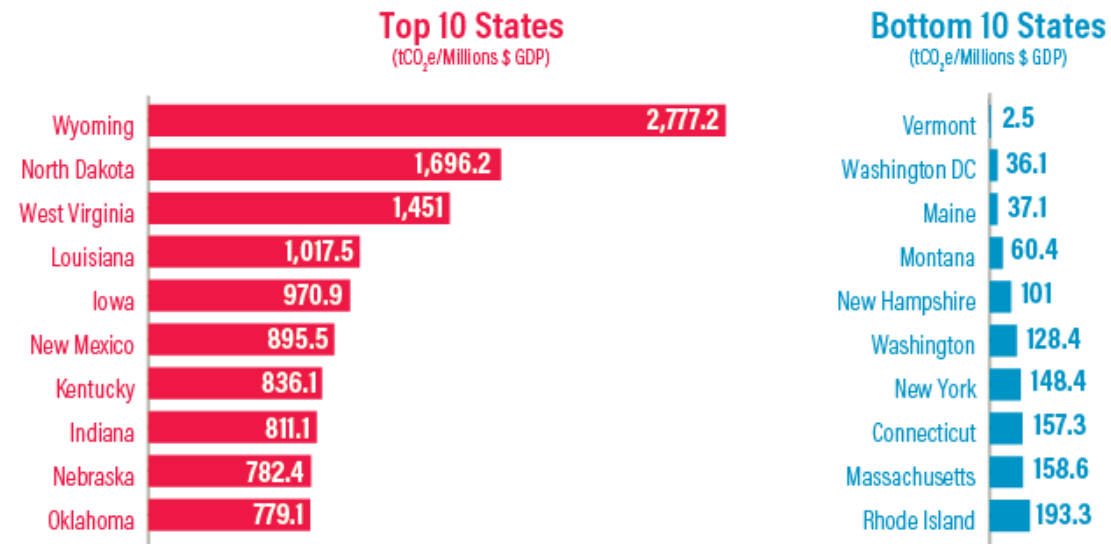
Top 10 Emitting U.S. States



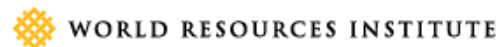
[bit.ly/usa-ghg](http://bit.ly/usa-ghg)

# ...And among the top five most emissions-intensive states by GDP and per capita

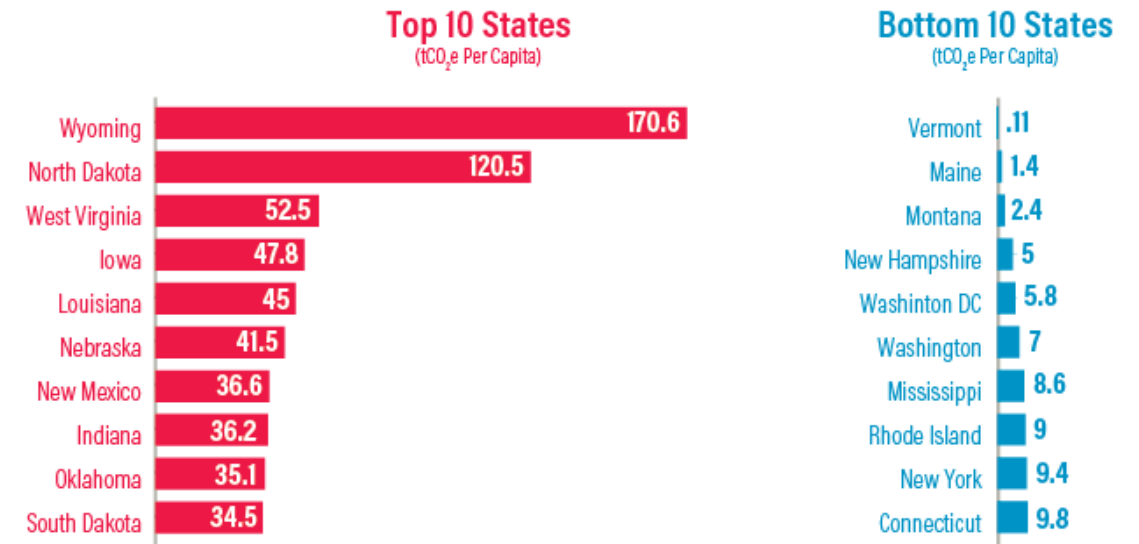
Comparison of U.S. State GHG Emissions Per GDP



[bit.ly/usa-ghg](http://bit.ly/usa-ghg)



Comparison of U.S. State GHG Emissions Per Capita



[bit.ly/usa-ghg](http://bit.ly/usa-ghg)



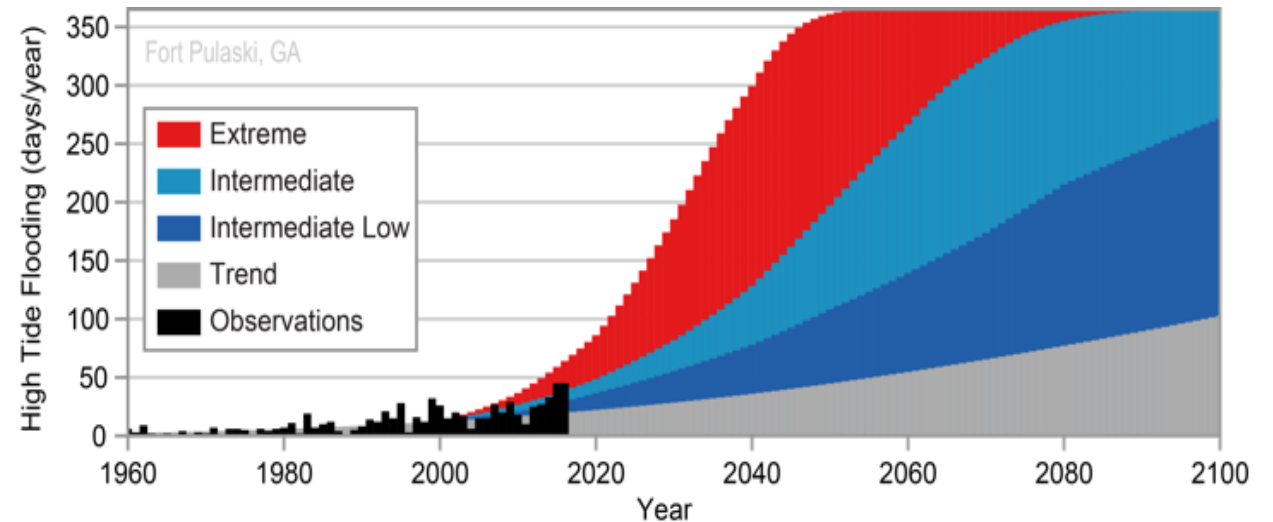
# US National Climate Assessment Key Messages: Southeast

## 1. Urban Infrastructure & Health Risks

- a. Rapid Population Shifts (more urbanized region brings new vulnerabilities)
- b. Increasing Heat
- c. Infrastructure Risks from flooding, SLR
- d. Vector-Borne Disease
- e. Air Quality

*By 2050, many Southeast cities are projected to experience 30+ days of high tide flooding regardless of scenario.*

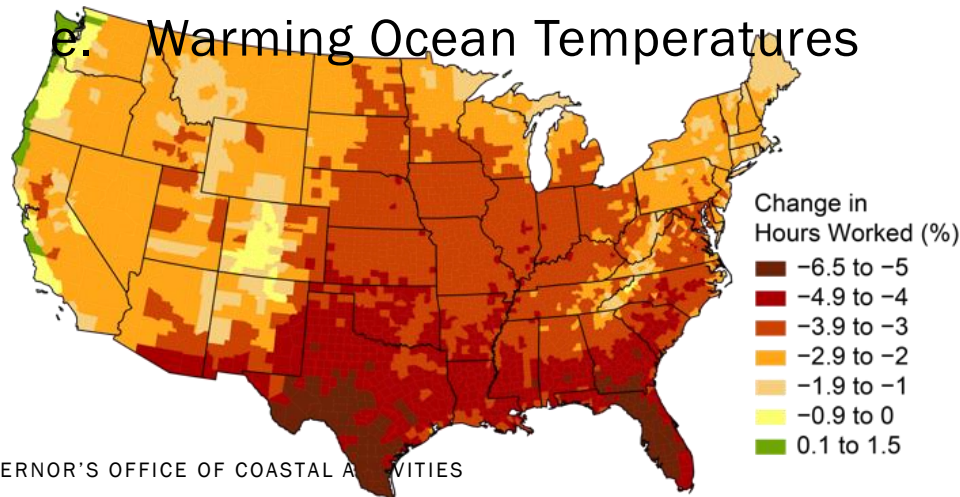
## 2. Increasing Flood Risks in Coastal & Low-Lying Regions (frequency and duration)



# US National Climate Assessment Key Messages: Southeast

## 3. Natural Ecosystems Will be Transformed

- a. Warming Winter Temp. Extremes
- b. Changing Patterns of Fire
- c. Rising Sea Levels and Hurricanes
- d. Drought and Extreme Rainfall
- e. Warming Ocean Temperatures



## 4. Economic & Health Risks for Rural Communities

- a. Diverse Rural Regions face unique risks
- b. Risks to Agriculture and Forestry
- c. Heat, Health and Livelihoods (outdoor jobs and recreation)
- d. Compounding Stresses and Constraints to Adaptation

Estimated % **change in hours worked** in 2090 (vs 2003-07) under a higher warming scenario (RCP8.5).

Projections indicate an annual average of 570 million labor hours lost per year in the Southeast by 2090 in high-risk industries (i.e., agriculture, forestry, and fishing; hunting, mining, and construction; manufacturing, transportation, and utilities).



# Why Does This Matter in Louisiana?

Exacerbates existing vulnerabilities and creates new risks in communities

- Disproportionate impacts to vulnerable and marginalized communities
- Annual Economic losses in some sectors greater than current GDP of many U.S. states by end of century
- Interconnected systems result in cascading impacts that are difficult to predict and threaten essential services

- Water Quality and Quantity
- Extreme Weather
- Indigenous communities' livelihoods, economies, health, and cultural identities
- Transformative impacts on some ecosystems
- Agricultural productivity
- Coastal communities
- Outdoor recreation, tourist economies, and quality of life all reliant on natural environment that will be impacted

# Climate Task Force Structure and Deliverables

# Vision

Louisiana will reduce its greenhouse gas emissions to do its part to limit the worst impacts of climate change and improve the welfare of its residents and environment *while* maintaining its position as a world leader in energy, industry, agriculture, forestry, and transportation.



# Task Force



# Task Force Values

- Respect
- Integrity
- Transparency
- Science-based
- Consensus-driven



# STRUCTURE

**TASK FORCE**

**ADVISORY  
GROUPS**

Scientific

Equity

Finance

Legal

**SECTOR  
COMMITTEES**

Agriculture, Forestry,  
Conservation and Waste

Power Production, Distribution,  
and Use

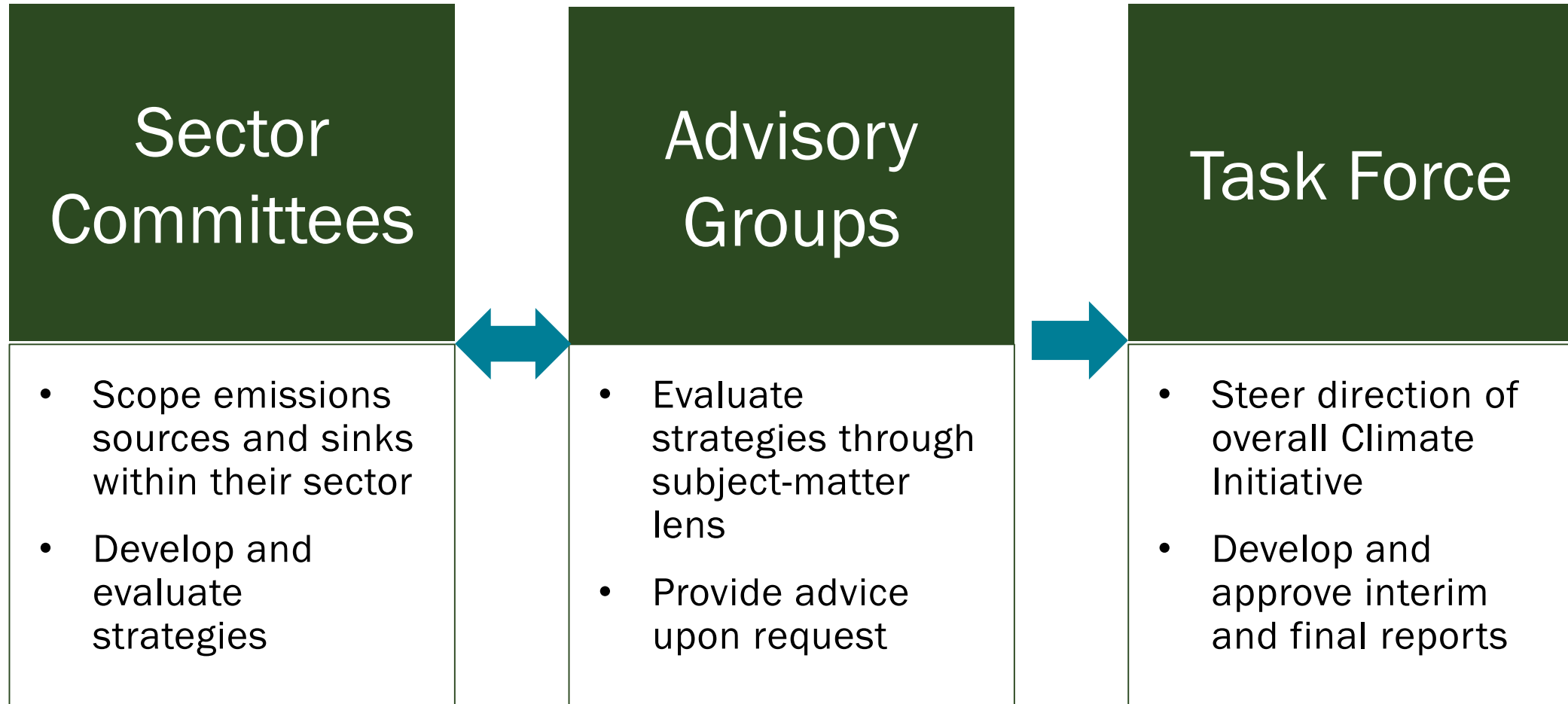
Land Use, Buildings, and  
Housing

Manufacturing and Industry

Transportation

Mining and Oil & Gas  
Production

# ROLES



# TASK FORCE DELIVERABLES

INTERIM  
REPORT

February  
1, 2021



GHG  
INVENTORY  
UPDATE

Mid-2021



FINAL  
REPORT

February  
1, 2022



# Climate Initiatives Process and Timeline

STEP	TIMELINE	TASKS
Define the Problem and Fundamental Objectives	FALL 2020	<ul style="list-style-type: none"> <li>Define fundamental and means objectives</li> <li>State of the science on emissions inventory and sector opportunities</li> <li>Sector challenges and opportunities analysis</li> </ul>
INTERIM REPORT	JANUARY 2021	
Initial Solutions and Alternatives Development	WINTER 2021	<ul style="list-style-type: none"> <li>Public call for ideas, sector actions working sessions, refine process for evaluating proposals</li> </ul>
Refine and Review Proposed Solutions and Alternatives	SPRING 2021	<ul style="list-style-type: none"> <li>GHG Inventory Update</li> <li>Task Force sets targets for holistic suite of recommendations</li> <li>Review action proposals, develop strategies, and identify gaps</li> </ul>
Evaluate and Prioritize Strategies	SUMMER 2021	<ul style="list-style-type: none"> <li>Review, evaluate, and prioritize draft strategy recommendations</li> </ul>
Tradeoffs Analysis and Implementation Pathways	FALL 2021	<ul style="list-style-type: none"> <li>Evaluate tradeoffs across strategy sets based on impact to objectives</li> <li>Refine strategies to optimize outcomes across objectives</li> <li>Identify implementation pathways</li> </ul>
Draft Strategy Report	WINTER 2022	<ul style="list-style-type: none"> <li>Post for public comment and revise based on comments</li> </ul>
FINAL STRATEGY REPORT	WINTER 2022	

# Interim Report

## I. Climate Risks to Louisiana

- a. Environment
- b. Economy
- c. Community

## II. Targets, Mission, Vision and Structured Decision Making

## III. Committee & Advisory Group Reports

- a. Sector Overviews
- b. Establishing Objectives
- c. Metrics to Reach Objectives
- d. Opportunities and Challenges

## IV. 2021 Work Plan

- a. Promising Areas for Investigation
- b. Solution Development, Evaluation, Review, and Implementation Processes



# Legal Advisory Group

# Legal Advisory Group Scope

*Strategies and mechanisms that can be implemented by executive and legislative branches of federal, state, local, and tribal governments as well as the private sector*

# Advisory Group Charge

*Review emissions reduction strategies identified by the committees and provide information and assistance to the Task Force and the committees to ensure a comprehensive, informed evaluation of strategies.*



# Legal Advisory Group Charge

*Anticipate legal hurdles that may arise in the design of greenhouse gas emission reduction strategies;*

*Assist committees in the development of mechanisms to implement emissions reduction strategies;*

*Advise committees and the Task Force on supplementary strategies and mechanisms for consideration.*



# Questions?

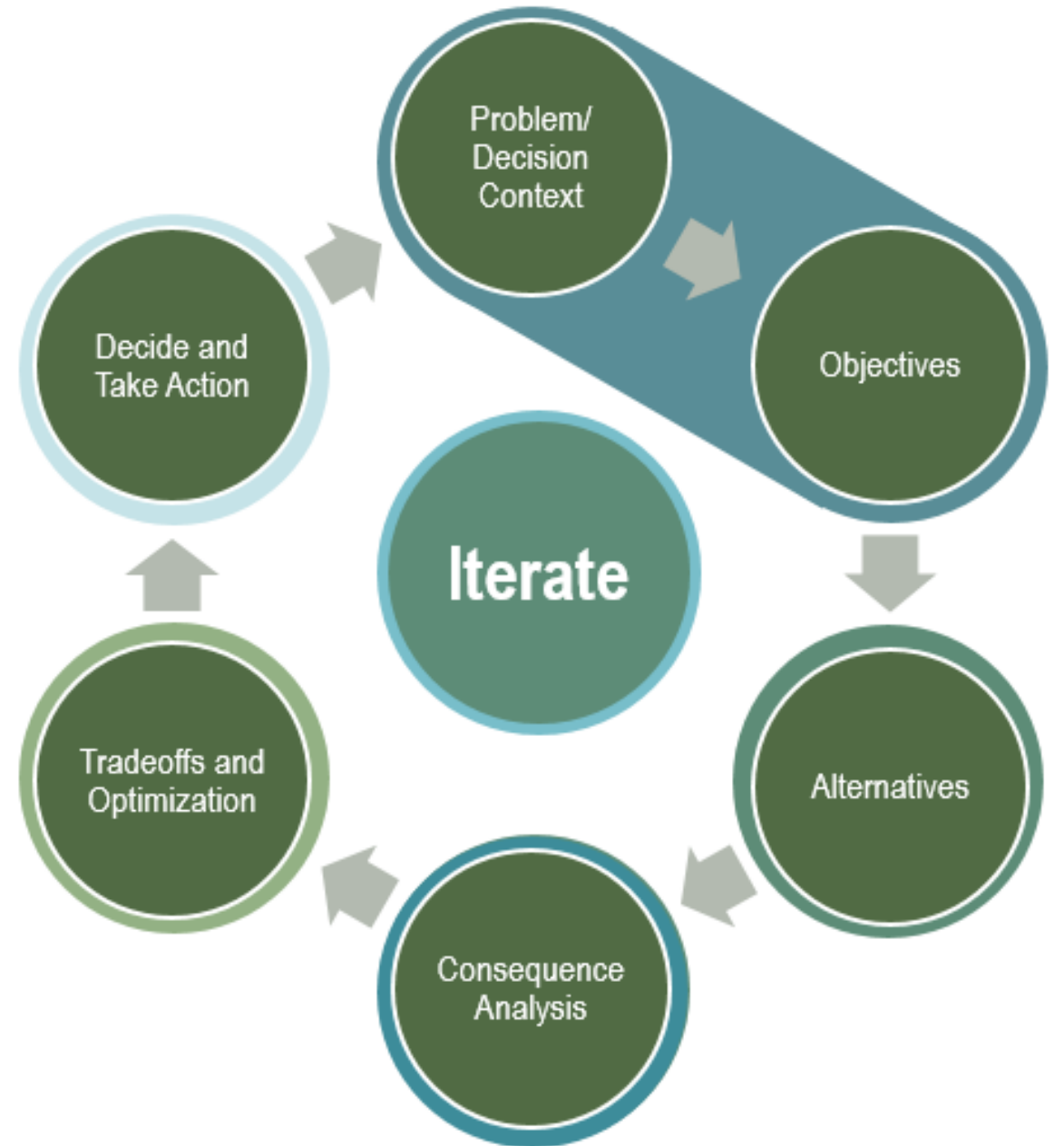


# Structured Decision Making (SDM)

- ✓ Analyze decisions to identify solutions that achieve desired outcomes in an explicit and transparent manner
- ✓ Encompasses a broad set of methods
- ✓ Supports decisions based on clearly articulated fundamental objectives
- ✓ Responds transparently to legal mandates and public values in decision making
- ✓ Integrates science and policy

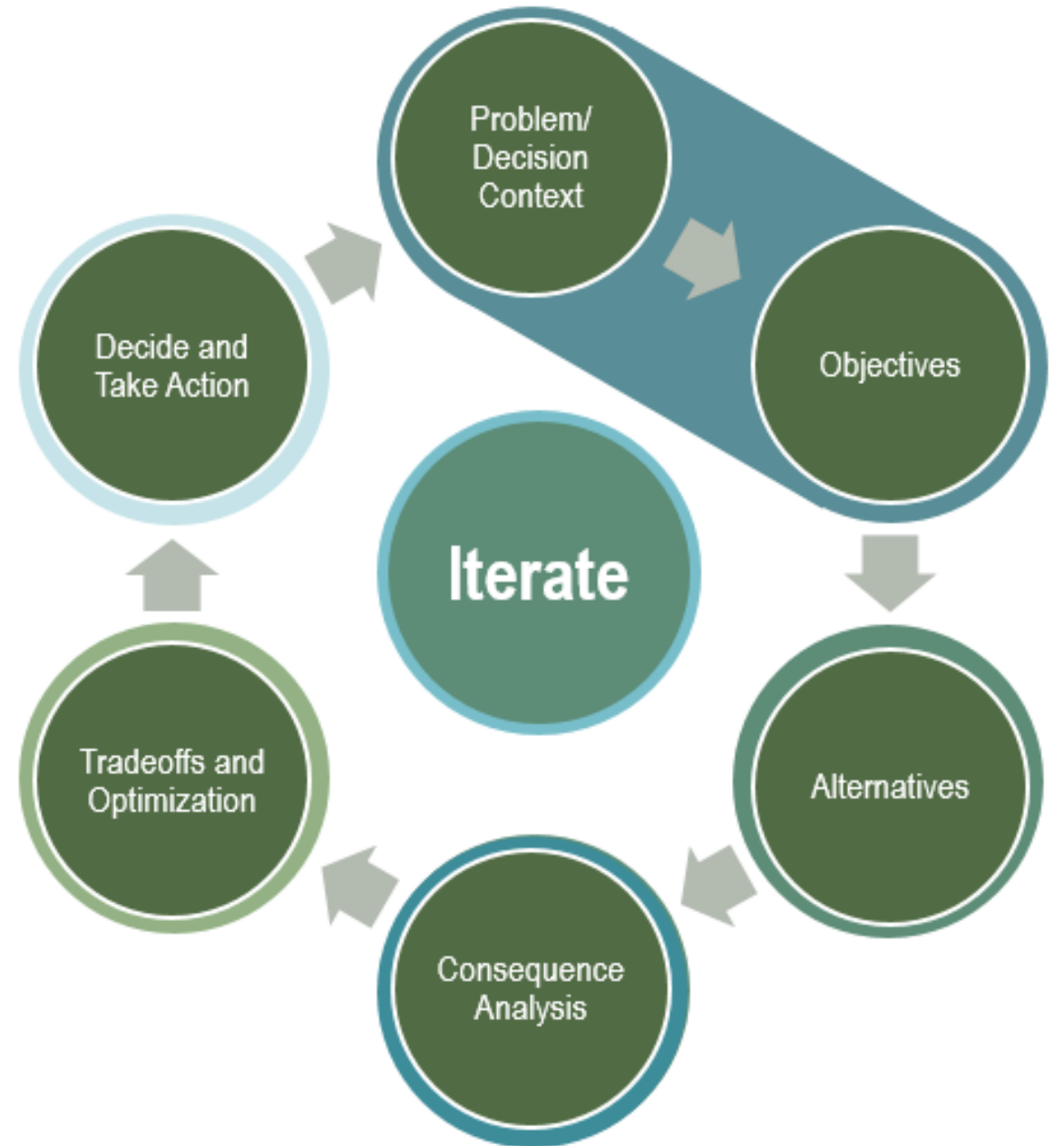
# SDM Framework

1. Define the **Problem** (Decision Context)
2. Determine the **Objectives**  
(Fundamental Objectives)
3. Identify **Alternatives** (Emission  
Reduction Solutions)
4. Evaluate Alternatives and Forecast  
**Consequences**
5. Evaluate **Tradeoffs** (Tradeoff Analysis)
6. Make the Decision and Take Action  
(Final Strategy)



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# DEFINE THE PROBLEM

“To improve our resilience, sustain our coast, and help avoid the worst impacts of climate change, Louisiana must proactively work to reduce the greenhouse gas emissions that are driving up global temperatures, raising sea levels, and increasing risks that threaten our health and safety, quality of life, economic growth, and vital habitats and ecosystems.”

"Impacts from climate change will be disproportionately felt by residents of our state with the fewest resources"



## EXECUTIVE DEPARTMENT

EXECUTIVE ORDER NUMBER JBE 2020 – 18

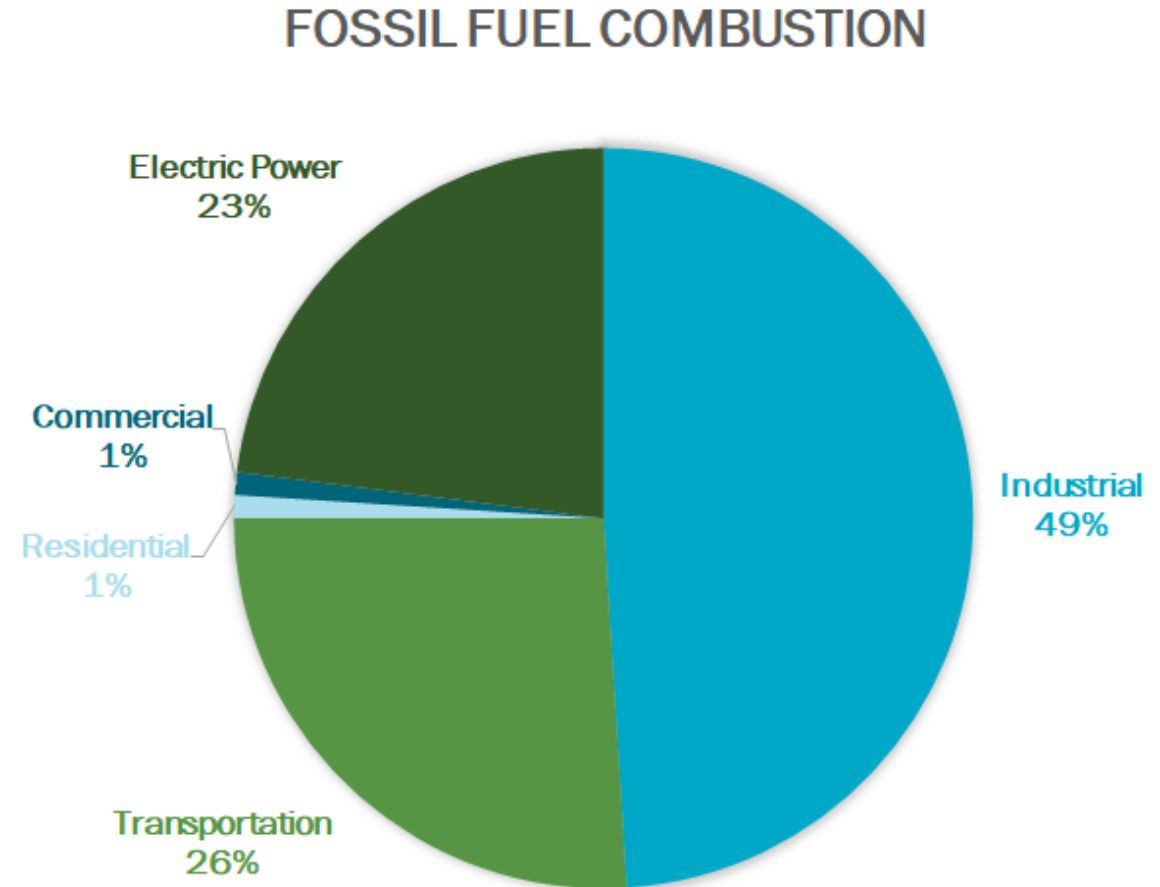
### *CLIMATE INITIATIVES TASK FORCE*

- WHEREAS,** Louisiana's working coast is a national treasure, exporting over \$120 billion in annual goods, servicing 90% of the oil and gas activity in the Gulf of Mexico, producing 21% of all commercial fisheries landings by weight in the Lower 48 states, and providing winter habitat for five million migratory waterfowl;
- WHEREAS,** coastal Louisiana is also a vital regional asset which serves as residence to 2.5 million people and as a historical foundation to our unique cultural heritage;
- WHEREAS,** Louisiana's coast continues to experience one of the fastest rates of land loss in the world, and parts of our State remain unprotected from or vulnerable to future hurricane and flood event impacts;
- WHEREAS,** Louisiana and its citizens have suffered catastrophic losses and human, economic, and social harm as a result of increased flood risk due to coastal land loss, and the continued threat of further land loss to Louisiana's coast endangers its residents, economy, and native fish and wildlife species;
- WHEREAS,** beginning in 2007, Louisiana has adopted, carried out, and updated a comprehensive plan for a sustainable coast (the "master plan");
- WHEREAS,** the master plan integrates coastal protection strategies and coastal restoration strategies to provide increased flood protection for communities and to maximize the amount of land maintained or restored in coastal Louisiana;
- WHEREAS,** according to the 2017 Coastal Master Plan, without significant action, continued subsidence and sea level rise over the next fifty years could result in the additional loss of between 2,250 and 4,120 square miles of Coastal Louisiana;
- WHEREAS,** rising sea levels will reduce the effectiveness of built and planned investments in coastal protection and restoration, threatening the longevity of coastal protection and restoration projects;
- WHEREAS,** as is the case today with natural disasters, impacts from climate change will be disproportionately felt by the residents of our state with the fewest resources;
- WHEREAS,** in the 2018 Special Report Global Warming of 1.5 Degrees Celsius, the Intergovernmental Panel on Climate Change (the "IPCC") concluded that overall "climate-related risks to health, livelihoods, food security, water supply, human security, and economic growth are projected to increase with global warming of 1.5 degrees and increase further with 2 degrees" above pre-industrial temperatures;
- WHEREAS,** in the same 2018 Special Report, the IPCC further concluded that reducing greenhouse gas emissions can slow global warming and reduce the magnitude and speed of future sea level rise, enabling greater opportunities for adaptation for human and ecological systems in low-lying coastal and deltaic areas;



# 2005 Louisiana GHG Emissions Overview

	Greenhouse Gas	CO <sub>2</sub> Equivalent Emissions MMT	Percent Total Emissions
<b>Energy</b>			
CO <sub>2</sub> from fossil fuel combustion	CO <sub>2</sub>	191.32	84.0%
Stationary combustion (non-CO <sub>2</sub> )	CH <sub>4</sub>	0.18	0.1%
	N <sub>2</sub> O	0.42	0.2%
Mobile combustion (non-CO <sub>2</sub> )	CH <sub>4</sub>	0.06	0.0%
	N <sub>2</sub> O	0.92	0.4%
Natural gas & oil systems	CO <sub>2</sub>	0.25	0.1%
	CH <sub>4</sub>	13.13	5.8%
Coal mining	CH <sub>4</sub>	0.04	0.0%
<b>Industrial Processes</b>	CO <sub>2</sub>	3.30	1.4%
	N <sub>2</sub> O	3.27	1.4%
	HFC, PFC, SF <sub>6</sub>	6.85	3.0%
<b>Wastes</b>			
Municipal solid waste	CH <sub>4</sub>	0.37	0.2%
Wastewater	CH <sub>4</sub>	0.65	0.3%
	N <sub>2</sub> O	0.13	0.1%
<b>Agriculture</b>	CH <sub>4</sub>	2.76	1.2%
	N <sub>2</sub> O	3.68	1.6%
<b>Land-use Change &amp; Forestry</b>	CH <sub>4</sub>	0.17	0.1%
	N <sub>2</sub> O	0.13	0.1%
	CO <sub>2</sub>	-13.02	
<b>Total Gross CO<sub>2</sub></b>		227.66	100.00%
<b>Total Net CO<sub>2</sub></b>		214.64	





# OBJECTIVES

## FUNDAMENTAL OBJECTIVES

What do we care about?

### EXAMPLES

Maximize success and longevity of emission reduction strategies

Minimize legal hurdles that might impede success of implementation strategies

Identify implementation strategies in coordination with sector committees

## MEANS OBJECTIVES

How do we get there?

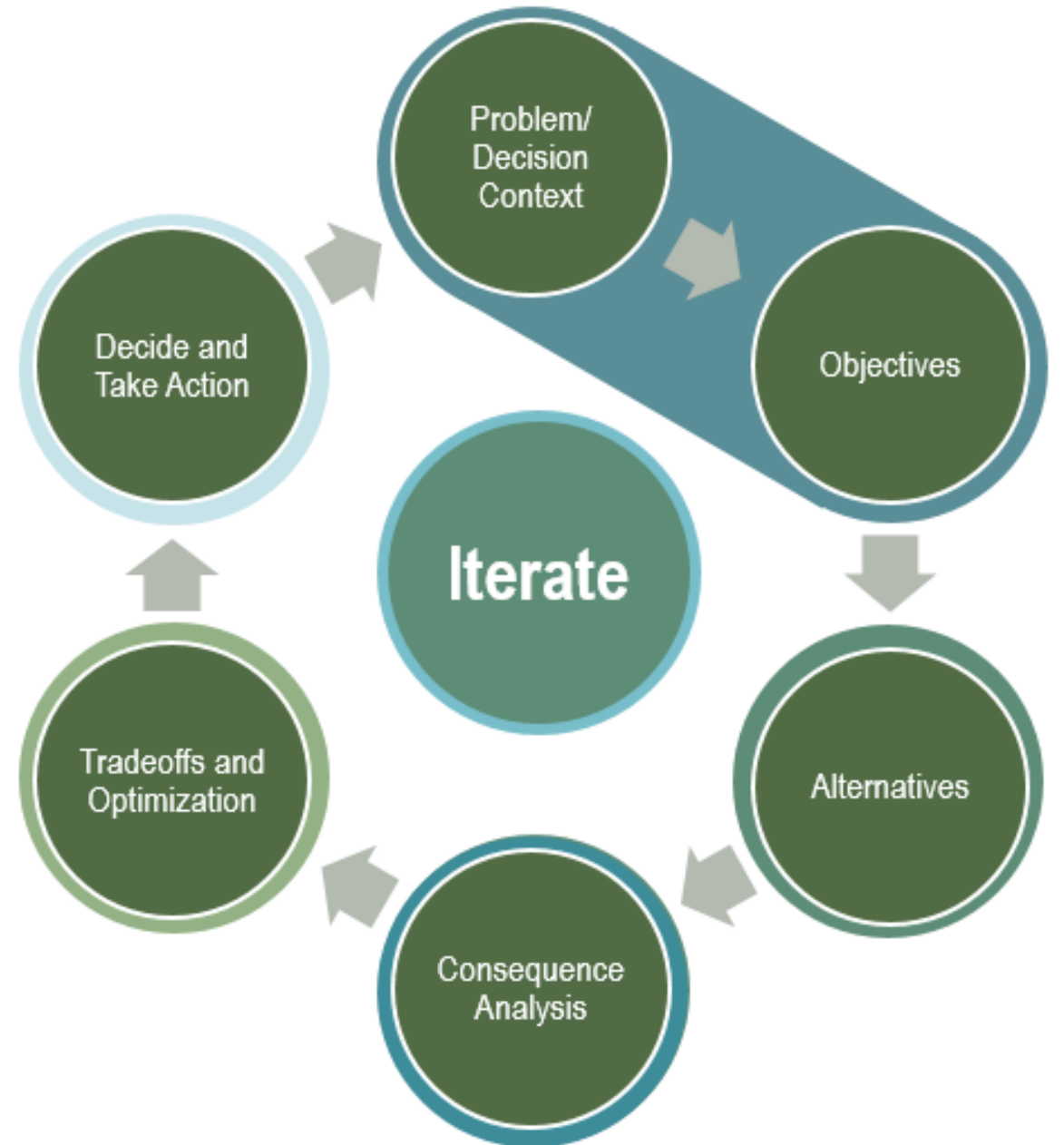
# Fundamental Objectives

## Discussion

- Maximize forward looking, flexible, and fair options in implementation of emissions reduction strategies through ensuring public bodies understand legal hurdles;
- Identify legal impediments that might stand in the way of the effort's success;
- Rethink large scale approaches in regulation and permitting;
- Understand how city/local laws might impede progress in the process;
- Compile and analyze laws and regulations of other communities, states, and nations that could inform Louisiana's effort;
- Increase Louisiana's resilience against the impact of climate change; Minimize climate risk, maximize efficacy of climate risk in changing climate, and accelerate modernization of energy and transportation infrastructure;
- Increase awareness of how federal, state, and local laws interact through understanding reinterpretation of policies, laws, and cases in Louisiana;
- Increase access to resources and information for public in an equitable manner;
- Ensure flexibility for participation across generations;
- Assist communities from legal, scientific, and economic perspective in how they are impacted by government and climate change;
- Ensure customers have access to long-term, reliable, efficient and economically feasible power sources
- Increase intentional community investment
- Work for the benefit of communities and residents in a multitude of aspects;
- Pay attention to most effective mechanisms outside of prescription to allow for new ideas and ingenuity;

# SDM Framework

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# Next Steps

# Timeline to Interim Report

MONTH	MEETING	CONTENT
November 9, 2020	Task Force Meeting #1	Introduction Initial discussion on fundamental objectives
November/December 2020	Advisory Groups, Sector Committees #1	All advisory groups and committees meet to establish fundamental objectives
December 2020	Task Force Meeting #2	Approve Task Force fundamental and means objectives Approve fundamental objectives of advisory groups and sector committees
December 2020/ January 2021	Advisory Groups, Sector Committees #2	Advisory groups and sector committees discuss opportunities and challenges and process for developing solutions Committees also discuss solution proposal solicitation for 2021.
January 2021	Task Force Meeting #3	Approve interim report. Advisory groups and sector committees present draft rubrics. Overview of 2021 timeline.

# Between Now and the Next Meeting

- Compile and synthesize **Draft Fundamental Objectives** for submission to the Climate Task Force. Send any additional objectives to [climate@la.gov](mailto:climate@la.gov), by Friday 12/11.
- **Identify and share resources** on information necessary for Legal Advisory Group to provide for committees before they begin proposal solicitation and strategy consideration.
- **Identify gaps in knowledge:** areas for further research and analysis on the problem definition alongside advisory group charge and scope.



# Public Information

- Meeting Materials & Notices
- Documents & Other Resources
- Send in Public Comment:  
[climate@la.gov](mailto:climate@la.gov)
- Sign-up to Receive Notices of Meetings, News, etc.

<https://gov.louisiana.gov/page/climate-initiatives-task-force>

The screenshot shows the official website of the Louisiana Governor's Office, specifically the page for the Climate Initiatives Task Force. The header features the name "JOHN BEL EDWARDS" and the "OFFICE of the GOVERNOR" logo. A navigation bar includes links for ABOUT, NEWSROOM, COVID-19 RESOURCES, CENSUS 2020, PROGRAMS, STATE AGENCIES, and INTERACT, along with a search bar. The main content area is titled "Climate Initiatives Task Force" and includes an "Overview" section with text about global climate risks and the task force's mission. A "Mission & Approach" section follows, detailing the task force's goals and methods. A "GHG Emissions Reduction Goals" section lists specific targets for 2025, 2030, and 2050. On the right side, there is a "CONNECT with the GOVERNOR" sidebar with buttons for "EMAIL the GOVERNOR", "REQUEST of the GOVERNOR", and "APPLY to SERVE", along with social media icons for Twitter, Facebook, and Instagram.

JOHN BEL EDWARDS

OFFICE of the GOVERNOR

ABOUT NEWSROOM COVID-19 RESOURCES CENSUS 2020 PROGRAMS STATE AGENCIES INTERACT Search

## Climate Initiatives Task Force

### Overview

Scientists around the world agree that rising global temperatures pose increased risks to human health and security, livelihoods, food security, the water supply, economic growth and natural systems. For Louisiana these impacts are most severely manifested in the loss of coastal wetlands from sea level rise, increased flooding from tropical and intense rainfall events, and extreme heat. Each of these environmental and health stressors are and will increasingly have negative impacts on families, communities, and regions around our state with disproportionate impacts on those with the fewest resources.

Therefore, to improve our resilience, sustain our coast, and help avoid the worst impacts of climate change, Governor John Bel Edwards established the Climate Initiatives Task Force to proactively work to reduce the greenhouse gas emissions that are driving up global temperatures, increasing sea level and other risks that threaten our health and safety, quality of life, economic growth, and vital habitats and ecosystems.

### Mission & Approach

The Climate Initiatives Task Force will investigate and make recommendations for the reduction of greenhouse gas emissions originating in Louisiana to achieve the stated greenhouse gas emissions reduction goals in order to improve the health and welfare of the people of Louisiana and advance Louisiana's economic and energy profile.

The Task Force will arrive at strategies and recommendations to reduce emissions through an inclusive, balanced approach that recognizes there are differing opinions on the best ways to reduce the worst impacts of climate change while preserving economic competitiveness. Louisiana will utilize the best available science to guide decisions and call on expertise from state government, colleges and universities, the private sector, and civil society to help inform and steer policy development.

### GHG Emissions Reduction Goals

- By 2025, reduce net greenhouse gas emissions by 26-28% of 2005 levels;
- By 2030, reduce net greenhouse gas emissions by 40-50% of 2005 levels; and
- By 2050, reduce greenhouse gas emissions to net zero;

### CONNECT with the GOVERNOR

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# Public Comment Period

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